

Converting Colors

CIELCh(45, 19.035, 257.261)

Have a look what the booklet for
CIELCh(45, 19.035, 257.261)
contains.

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Color

CIELCh(45, 19.057, 257.019)

Conversions

Conversions Part 1

Format	Color
Hex	4D6E89
RGB	77, 110, 137
RGB Percent	30%, 43%, 54%
CMY	0.6979, 0.5685, 0.4627
CMYK	0.44, 0.20, 0.00, 0.46
HSL	207°, 28%, 42%
HSV	207°, 44%, 54%
XYZ	13.1573, 14.5417, 25.7885
YIQ	103.2110, -28.3350, 1.4010

Conversions

Conversions Part 2

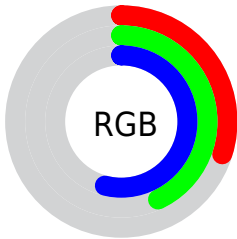
Format	Color
RYB	77, 98, 137
Decimal	5074569
CIELab	45.00, -4.28, -18.57
CIElCh	45, 19.057, 257.019
Yxy	14.5417, 0.2460, 0.2719
Android (android.graphics.Color)	4283264649 (0xFF4D6E89)
YUV	103.2110, 16.6580, -22.9870
Hunter-Lab	38.1336, -5.1456, -13.4023

Details

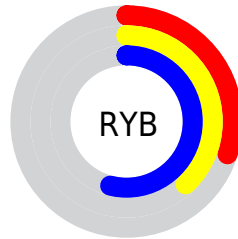
The CIELCh color $45, 19.057, 257.019$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $47, 22.399, 64.983$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 18.948, 257.715$, and $25, 18.851, 256.045$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.052, 259.598$, and if you desaturate by 10%, it is $48, 14.908, 254.858$.

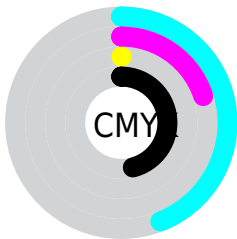
Distribution



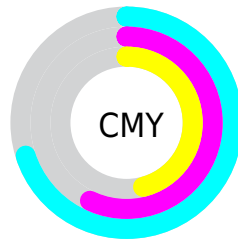
- Red (30%)
- Green (43%)
- Blue (54%)



- Red (30%)
- Yellow (38%)
- Blue (54%)



- Cyan (44%)
- Magenta (20%)
- Yellow (0%)
- Black (46%)





- Cyan (70%)
- Magenta (57%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.057, 257.019 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 45, 19.057, 257.019 by changing the saturation by 10% instead.


 45, 19.057,
257.019


 45, 19.057,
257.019


 100, 19.057,
257.019


 35, 19.057,
257.019

 65, 19.057,
257.019


 25, 19.057,
257.019

 75, 19.057,
257.019

 15, 19.057,
257.019

 85, 19.057,
257.019

 5, 19.057, 257.019

 95, 19.057,
257.019

 0, 19.057, 257.019

 45, 19.057,

 45, 19.057,

257.019

■ 42, 23.052,
259.598

■ 40, 26.896,
262.653

■ 37, 30.609,
266.219

■ 35, 34.244,
270.283

■ 33, 37.879,
274.752

■ 32, 40.219,
277.424

257.019

■ 48, 14.908,
254.858

■ 50, 10.622,
253.056

■ 53, 6.220, 251.563

■ 56, 1.726, 250.420

■ 59, 2.836, 69.060

■ 62, 7.444, 68.215

■ 65, 12.080, 67.450

■ 67, 16.728, 66.784

■ 70, 21.375, 66.204

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45, 19.057, 257.019



47, 22.399, 64.983

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 19.057, 257.019



45, 19.057, 307.019



45, 19.057, 77.019



45, 19.057, 127.019

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45, 19.056, 257.018



68, 7.281, 251.495



52, 29.862, 156.918



35, 5.066, 251.762



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 19.056, 257.018



55, 28.172, 259.705



36, 35.313, 294.095



28, 2.567, 250.971



30, 39.165, 277.259



1, 1.201, 249.826

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 30.971, 345.053



49, 45.852, 346.361



55, 31.933, 103.825



27, 3.965, 341.710



28, 52.980, 356.235



0, 1.823, 341.049

Previews

White Background



This preview shows how the CIE LCh color 45, 19.057, 257.019 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 19.057, 257.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

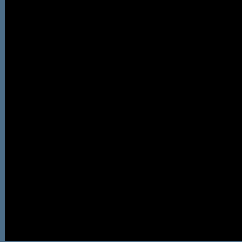
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

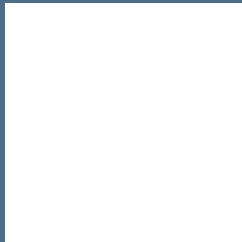
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 19.057, 257.019

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.057, 257.019.

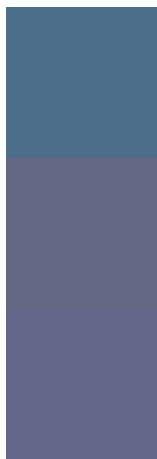


This preview shows how white text looks on a background with the CIELCh color 45, 19.057, 257.019.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45, 19.057, 257.019

Protanopia

45, 16.807, 285.060

Deuteranopia

45, 20.350, 287.986



Tritanopia
45, 14.857, 219.334

Trichromacy



Original Color
45, 19.057, 257.019

Protanomaly
45, 16.878, 272.815

Deuteranomaly
45, 19.617, 277.422

Tritanomaly
45, 15.548, 233.641

Monochromacy



Original Color
45, 19.057, 257.019

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.006, 249.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.057, 257.019 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(77, 110, 137)` looks like.

```
.text, #text, p{  
    color:rgb(77, 110, 137)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(77, 110, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 110, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.057, 257.019 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 110, 137) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(77, 110, 137) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(77, 110, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 110, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 110, 137);  
box-shadow:4px 4px 4px 4px rgb(77, 110,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.057, 257.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 110, 137) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(77, 110,  
137) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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